**Section 812.314 Description of the Hydrogeology**

The permit application shall contain a description of the local hydrogeologic system, which shall include the results of the investigation conducted in accordance with 35 Ill. Adm. Code 811.315 and which includes the following information:

a) A narrative description of the regional setting;

b) A narrative description characterizing the hydrogeological conditions within the permit area;

c) Geological cross sections of the permit area showing all water bearing strata, water elevations and all geological units;

d) Location of all bore holes and test pits;

e) All well and bore logs;

f) Laboratory and field testing data;

g) A detailed description of each geological unit found within the study area, including physical and geochemical properties; and

h) A description of all water bearing strata under the facility, including a potentiometric map, groundwater flow velocities and directions and a descriptions of the water quality.